ABSTRACT

An individual optical signal transmission substrate 1 comprises an optical signal transmission area 100 where at least one of a light emitting element E for sending an optical signal to other optical signal transmission substrates or a light receiving element D for receiving an optical signal from other optical signal transmission substrates is located so as to be capable of sending or receiving the optical signal in a direction substantially perpendicular to the surface of the substrate. When a plurality of such substrates are laminated one over another, the light receiving element is located in any one of the optical signal transmission substrates so as to be opposed to the light emitting element provided in any one of the other optical signal transmission substrates, thereby composing an optical signal transmission device.